

DERWENT-ACC- 2002-186416

NO:

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WEEK:

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TITLE: Gantry device and method for washing vehicle with  
variable high pressure sprinkling nozzle.

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PRIORITY-DATA: 2000KR-0017890 (April 6, 2000)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 343440 B	July 11, 2002	N/A	000	B60S 003/06
KR 2001094301 A	October 31, 2001	N/A	001	B60S 003/06

## APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR 343440B	N/A	2000KR-0017890	April 6, 2000
KR 343440B	Previous Publ.	KR2001094301	N/A
KR2001094301A	N/A	2000KR-0017890	April 6, 2000

INT-CL (IPC): B60S003/06

ABSTRACTED-PUB-NO: KR2001094301A

## BASIC-ABSTRACT:

NOVELTY - A gantry washing device having a variable high-pressure spray nozzle and a method thereof are provided to wash a vehicle automatically by varying a high-pressure sprinkling nozzle according to shape of the vehicle, and to improve the washing efficiency with reducing the amount of washing water.

DETAILED DESCRIPTION - A gantry vehicle washing apparatus is composed of a gantry frame(100) moving along a rail(200) having first detecting parts by a gantry frame driving unit, and having second detecting parts in upper and lower parts; a first sprinkling part (130) having plural sprinkling nozzles(a), and moving up and down by a first driving unit(120) of the gantry frame; a second sprinkling

part(150) having plural sprinkling nozzles, and moving right and left by a second driving unit(140) of the gantry frame; a third detecting part(131) measuring the height of a vehicle in the first sprinkling part; a fourth detecting part(151) measuring the width of the vehicle in the second sprinkling part; and a control unit connected to first, second, third and fourth detecting parts to control first and second driving units and the gantry frame driving unit. The washing efficiency is improved, and the amount of washing water is reduced with adjusting the high-pressure sprinkling nozzles according to the shape of the vehicle.

CHOSEN- Dwg.1/10

DRAWING:

TITLE-TERMS: GANTRY DEVICE METHOD WASHING VEHICLE VARIABLE HIGH  
PRESSURE SPRINKLER NOZZLE

DERWENT-CLASS: Q17

